

**THE
DOE RUN
COMPANY**

Remediation Group

Mark Nations
Mining Properties Manager
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November 11, 2013

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
11201 Renner Blvd.
Lenexa, KS 66219

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No. VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period October 1, 2013 through October 31, 2013 is enclosed. If you have any questions or comments, please call me at 573-518-0800.

Sincerely,



Mark Nations
Mining Properties Manager

Enclosure

c: Jason England – TDRC
Matt Wohl – TDRC (electronic only)
Mark Yingling – TDRC (electronic only)
Martin Kator – MDNR - DSP
Robert Hinkson – MDNR - HWP
Ty Morris – Barr Engineering
Brandon Wiles - MDNR

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Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: October 1, 2013 – October 31, 2013

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, Type 2 riprap, Type 3 riprap and Slope Protection Rock. These rock types are being stockpiled in the Borrow Area. As of the end of the period, work on this task continued.
- b. Work in Phase III of the ORV Riding Area continued. This work focused on covering the trails and grids that exceeded the 600 ppm action level. As of the end of the period, work on this task continued.
- c. Work also continued in Phase III of the ORV Riding Area on the East Main Drainage Channel. This work focused on final grading and rocking the channel. As of the end of the period, work on this task continued.
- d. Work continued in the Borrow Pit Area. This work focused on covering the open areas with mine rock. As of the end of the period, work on this task continued.
- e. Work resumed in the Former Chat Pile Area. This work focused on grading the ditches and placing cover material over the area. As of the end of the period, work on this task continued.
- f. Work resumed in the Shaw Branch Creek Area. This work focused on rough grading of the Sedimentation Ponds. As of the end of the period, work on this task continued.

2. Data and Results Received This Period:

- a. Attached are the lead monitoring results for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area for August 2013. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.
- b. During this period, the Ambient Air Monitoring Reports for July 2013 were completed. Any issues identified in this report are discussed below. A copy of this document has been sent to your attention.

The July 2013 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No sample was taken with the Federal #4 TSP monitor on 07/03/13 due to a mechanical failure. Upon discovery of this issue the issue was corrected.
- No samples were taken with the TSP monitors on 07/04/13 and 07/05/13 due to the holiday.
- No samples were taken with the PM₁₀ monitors on 07/06/13 due to the holiday.
- A QA filter blank was run on the Federal #4 TSP monitor on 07/16/13.
- No sample was taken with the Federal #4 TSP monitor on 07/19/13 due to the filter being wet.
- A QA filter blank was run on the Federal #4 PM₁₀ monitor on 07/21/13.
- No sample was taken on the Big River #4 TSP monitor on 07/29/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- Chain of custody date issues were corrected for the Big River #4 QA TSP monitor for filter ID numbers 8803575 and 8803551.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the task of covering the trails and grids that exceeded the 600 ppm action level in the portion of the area included in the Phase III fencing plan.
- b. Work in the ORV Riding Area will continue on the East Main Drainage Channel. Work in this area will focus on rocking this channel.
- c. Work in the Borrow Pit Area will continue on covering the open areas with trail rock.
- d. Work in the Former Chat Pile Area will continue. Work in this area will focus on rocking the channels that have been constructed.
- e. Work will continue on the task of stockpiling trail rock, Type 1 riprap, Type 2 riprap and Slope Protection Rock.

4. Changes in Personnel:

- a. None.

5. Issues or Problems Encountered and the Resolution:

- a. None.

Air Quality Monitoring Pb results for August 2013

St. Joe State Park

Primary

AQM Pb results for June 2013					AQM Pb results for July 2013				
St. Joe State Park					St. Joe State Park				
Primary					Primary				
Sample Number	Date Collected	Sampler:	Result		Sample Number	Date Collected	Sampler:	Result	
AC02246	6/3/2013	#1 Primary	0.0265	µg/m³	AC05479	7/3/2013	#1 Primary	0.0097	µg/m³
AC02266	6/6/2013	#1 Primary	0.0287	µg/m³	AC05519	7/9/2013	#1 Primary	0.0184	µg/m³
AC02286	6/9/2013	#1 Primary	0.0368	µg/m³	AC05539	7/12/2013	#1 Primary	0.0283	µg/m³
AC02306	6/12/2013	#1 Primary	0.0952	µg/m³	AC05558	7/15/2013	#1 Primary	0.0077	µg/m³
AC02325	6/15/2013	#1 Primary	0.0332	µg/m³	AC05569	7/18/2013	#1 Primary	0.0761	µg/m³
AC02333	6/18/2013	#1 Primary	0.0138	µg/m³	AC05575	7/21/2013	#1 Primary	0.0201	µg/m³
AC02339	6/21/2013	#1 Primary	0.0170	µg/m³	AC05581	7/24/2013	#1 Primary	0.0664	µg/m³
AC02345	6/24/2013	#1 Primary	0.0046	µg/m³	AC05587	7/27/2013	#1 Primary	0.1743	µg/m³
AC02351	6/27/2013	#1 Primary	0.0887	µg/m³	AC05593	7/30/2013	#1 Primary	0.0043	µg/m³
AC02357	6/30/2013	#1 Primary	0.0519	µg/m³					
June Sum	0.3964	June Average	0.03964	µg/m³	July Sum	0.4053	July Average	0.0450333333333333	µg/m³
Run Days Scheduled: 10	Actual: 10	June Data Capture Rate	100.000%		Run Days Scheduled: 10	Actual: 9	July Data Capture Rate	90.000%	

Sample Number	Date Collected	Site:	Result
AC08390	8/2/2013	St. Joe State Park - #1 Primary	0.0095 µg/m³
AC08409	8/5/2013	St. Joe State Park - #1 Primary	0.0055 µg/m³
AC08429	8/8/2013	St. Joe State Park - #1 Primary	0.0169 µg/m³
AC08449	8/11/2013	St. Joe State Park - #1 Primary	0.0435 µg/m³
AC08469	8/14/2013	St. Joe State Park - #1 Primary	0.0518 µg/m³
AC08476	8/17/2013	St. Joe State Park - #1 Primary	0.1548 µg/m³
AC08483	8/20/2013	St. Joe State Park - #1 Primary	0.0484 µg/m³
AC08489	8/23/2013	St. Joe State Park - #1 Primary	0.0286 µg/m³
AC08495	8/26/2013	St. Joe State Park - #1 Primary	0.0576 µg/m³
AC08501	8/29/2013	St. Joe State Park - #1 Primary	0.0604 µg/m³
August Sum 0.477	August Average 0.0477	µg/m³ Run Days Scheduled: 10	Actual: 10 August Data Capture Rate 100.000%

Three month rolling average: 0.04 µg/m³

Three Month Data Capture Rate: 97%